BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements to Road and Drains at Agrahara Village to Lake Road in ward No. 05 Byatarayanapura Sub Division

		Estimate Cost Rs.						3697640.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
	For Road Surface								
	For Lake Road		1	366.00	5.25	0.30	576.45		
	As per Tender Quantity 852.85						**576.45**		
	up to 125% Qty 1066.06						**576.45**	**TR 133.46**	**76933.02**
	As per Tender Rate	**133.46**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(b) / 2.3.5,P No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	For Sanitory Cutting Portion		1	366.00	1.20	0.75	329.40		
	Slab Drain Agrahara Village to Lake Road		1	354.00	0.75	0.75	199.13		
	As per Tender Quantity 196.88						**528.53**		
	up to 125% Qty 246.10						**246.10**	**TR 250.00**	**61525.00**
	above 125% Qty						**282.43**	**TR 250.00**	**70606.25**
	As per Tender Rate	**250.00**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
	Agrahara Village to Lake Road		1	354.00	1.65		584.10		
	As per Tender Quantity 764.28						**584.10**	**TR 620.00**	**362142.00**
	As per Tender Rate	**620.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 154/ Item No. 20.18/ PWD SR 2014-15	Cum							
	For Sanitory Cutting Portion		1	366.00	1.20	0.45	197.64		
	For Road		1	366.00	5.25	0.20	384.30		
	As per Tender Quantity 385.00						**581.94**		
	up to 125% Qty 481.25						**481.25**	**TR 1290.00**	**620812.50**
	above 125% Qty						**100.69**	**TR 1290.00**	**129890.10**
	As per Tender Rate	**620.00**							
5	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.6/ PWD SR 2015-16	Sqm							
			1	366.00	5.25		1921.50		
	As per Tender Quantity 1925.00						**1921.50**	**TR 30.00**	**57645.00**
	up to 125% Qty 2406.25								
	As per Tender Rate	**30.00**							
6	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1+2				**1104.98**		
	As per Tender Quantity 852.85						**1104.98**	**TR 59.00**	**65193.53**
	up to 125% Qty 1066.06								
	As per Tender Rate	**59.00**							
	Extra Item								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. (Page No. 144 & Item No. 19.60) PWD SR 2016-17	**Cum**							
			1	366.00	5.25	0.20	384.30		
							384.30	**320.12**	**123022.00**
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	**320.12**							
8	KSRRB M400-7: Construction of granular sub base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications. No. 164/ Item No. 20.6.2 / PWD SR 2016-17	Cum							
	For Sanitory Cutting portion		1	366.00	1.20	0.30	**131.76**		
	For Road		1	366.00	5.25	0.25	**480.38**		
							612.14	**1582.58**	**968753.00**
	Basic Rate	1493.00							
	Area Weightage @ 6%	89.58							
	Total	**1582.58**							
9	KSRRB 500-11: Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, With 100/120 grade bitumen, No. 172/ Item No. 21.11.2/ PWD SR 2016-17	**Cum**							
			1	366.00	5.25	0.05	96.08		
							96.08	5841.72	**561243.00**
	Basic Rate	5409.00							
	Area Weightage @ 8%	432.72							
	Total	**5841.72**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specifications 5, No.160/ Item No. 21.9/ PWD SR 2016-17	Sqm							
			1	366.00	5.25		1921.50		
							1921.50	19.08	**36662.00**
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							
11	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30mm to 45mm compacted thicikness (GradingII) With 6% bitumen 40/60, No. 175/ Item No. 21.22.4/ PWD SR 2016-17	Cum							
			1	366.00	5.25	0.04	76.86		
							76.86	7327.78	**563213.00**
	Basic Rate	6913.00							
	Area Weightage @ 6%	414.78							
	Total	**7327.78**							
								Total	**3697640.00**

Rupees Thirty Six Lakh(s) Ninety Seven Thousand Six Hundred Forty Only

1 **Estimate Sanction amount Rs =4000000**
2 **Tender Agriment Amount Rs =3698450.01**
3 **Tender Primioum Below -6.56**

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Bruhat Bangalore Mahanagara Palike
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

"Modified
Technical Sanction"
Accorded For 36.97 lakh Rs.
Head of A/C P3089
CER NO :"16" Dt:.. 20/11/17

[TA] CE (YNK)